

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/008105

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L51/30 H01L51/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
 EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KYMAKIS E ET AL: "SINGLE-WALL CARBON NANOTUBE/CONJUGATED POLYMER PHOTOVOLTAIC DEVICES" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 80, no. 1, 7 January 2002 (2002-01-07), pages 112-114, XP001092647 ISSN: 0003-6951	1-6, 8-10, 16, 18, 19, 21, 25
Y	the whole document	3, 7, 12, 13, 15, 17, 20-24
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Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search 28 September 2004	Date of mailing of the international search report 07/10/2004
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Pusch, C
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>AGO H ET AL: "COMPOSITES OF CARBON NANOTUBES AND CONJUGATED POLYMERS FOR PHOTOVOLTAIC DEVICES" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 11, no. 15, 20 October 1999 (1999-10-20), pages 1281-1285, XP000869420 ISSN: 0935-9648</p>	<p>1,3-5,8, 11,14, 16,18, 19,21,25</p>
Y	<p>the whole document</p>	<p>3,7,13, 15,17, 21-24</p>
X	<p>PATENT ABSTRACTS OF JAPAN vol. 2003, no. 08, 6 August 2003 (2003-08-06) - & JP 2003 096313 A (TORAY IND INC), 3 April 2003 (2003-04-03) abstract</p>	<p>1,3-6,8, 10,14,16</p>
X	<p>YOSHINO K ET AL: "ELECTRICAL AND OPTICAL PROPERTIES OF CONDUCTION POLYMER - FULLERENE AND CONDUCTING POLYMER - CARBON NANOTUBE COMPOSITES" FULLERENE SCIENCE AND TECHNOLOGY, MARCEL DEKKER INC., NEW YORK, NY, US, vol. 7, no. 4, 1999, pages 695-711, XP001025585 ISSN: 1064-122X the whole document</p>	<p>1-5,8,9, 11,16, 18,19, 21,25</p>
Y	<p>US 6 451 415 B1 (FORREST STEPHEN R ET AL) 17 September 2002 (2002-09-17) column 8, line 51 - line 65; figure 2D</p>	<p>12</p>
Y	<p>GANZORIG C ET AL: "Alkali metal acetates as effective electron injection layers for organic electroluminescent devices" MATERIALS SCIENCE AND ENGINEERING B, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 85, no. 2-3, 22 August 2001 (2001-08-22), pages 140-143, XP004255449 ISSN: 0921-5107 abstract</p>	<p>20</p>

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